

1100 NEW YORK AVENUE, N.W. . WASHINGTON, D.C. 20005-3934

PHONE: (202) 371-2600 . FACSIMILE: (202) 371-2540 . www.skgf.com

MARD J. KESSLER
WARD J. KESSLER
WARD J. KESSLER
G. GOLDSTEIN
SAMUEL L. FOX\*\*\*
DAVID K.S. CORNWELL
ROBERT W. ESMOND
TRACY-GENE G. DURKIN
MICHELE A. CIMBALA
MICHAEL B. RAY
ROBERT E. SOKOHL
ERIC K. STEFFE
MICHAEL O. LEE
STEVEN R. LUDWIG

JOHN M. COVERT LINDA E. ALCORN ROBERT C. MILLONIG MICHAEL V. MESSINGER JUDITH U. KIM TIMOTHY J. SHEA, JR. PATRICK E. GARRETT JEFFREY T. HELVEY\* HEIDI L. KRAUS JEFFREY R. KURIN PATRICK D. O'BRIEN LAWRENCE B. BUGAISKY CRYSTAL D. SAYLES EDWARD W. YEE
ALBERT L. FERRO\*
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MOLLY A. MCCALL
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KENDRICK P. PATTERSON
DONALD J. FEATHERSTONE
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JOHN A. HARROUN\*
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ELDORA ELLISON FLOYO\*

W. RUSSELL SWINDELL THOMAS C. FIALA BRIAN J. DEL BUONO\* VIRGIL L. BEASTON\* RYAN J. STAMPER\* REGINALD D. LUCAS\* THEODORE A. WOOD ELIZABETH J. HAANES BRUCE E. CHALKER JOSEPH S. OSTROFF KAREN R. MARKOWICZ\*\* SUZANNE E. ZISKA\*\* ANDREA J. KAMAGE\*\*

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DUSTIN T. JOHNSON\*\*
MATTHEW J. DOWD\*\*
AARON L. SCHWARTZ\*\*

\*LIMITED TO MATTERS
AND PROCEEDINGS BEFORE
FEDERAL COURTS & AGENCIES
\*\*REGISTERED PATENT AGENT
\*\*\*SENIOR COUNSEL

October 11, 2001

WRITER'S DIRECT NUMBER: (202) 371-2677 INTERNET ADDRESS: RSOKOHL@SKGF.COM

Commissioner for Patents Washington, D.C. 20231

**Box Patent Application** 

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

Appl. No. (to be assigned); Filed: (herewith)

For: Cable Modem System and Method for Dynamically
Mixing Protocol Specific Header Suppression Techniques

Inventors: Bunn *et al*.
Our Ref: 1875.0660001

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- 1. PTO Fee Transmittal (Form PTO/SB/17);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Utility Patent Application entitled:

Cable Modem System and Method for Dynamically Mixing Protocol Specific Header Suppression Techniques Commissioner for Patents October 11, 2001 Page 2

and naming as inventors:

Fred A. BUNN Thomas L. JOHNSON

the application consisting of:

- a. a specification containing:
  - i. <u>57</u> pages of description prior to the claims;
  - ii. <u>4</u> pages of claims (17 claims);
  - iii. a one (1) page abstract;
- b. <u>29</u> sheets of drawings: (Figures 1-5, 6A-6C, 7-8, 9A-9B, 10-11, 12A-12B, 13, 14A-14B, 15, 16A-16B, and 17-23); and
- c. an Application Data Sheet;
- 4. Original executed Declaration for Patent Application;
- 5. Authorization to Treat a Reply as Incorporating an Extension of Time under 37 C.F.R. § 1.136(a)(3) (in duplicate);
- 6. Recordation Form Cover Sheet;
- 7. Original executed Assignment to <u>Broadcom Corporation</u>, recordation of which is hereby respectfully requested;
- 8. Two (2) return postcards; and
- 9. SKG&F check no. **32849** in the amount of \$780.00 to cover: \$740.00 fee for filing patent application; and \$40.00 for recording Assignment.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or

Commissioner for Patents October 11, 2001 Page 3

credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert Sokohl Attorney for Applicants Registration No. 36,013

RES/WBE:mlb Enclosures

SIGNATURE

Patent and Trade Office: U.S. DEPARTMENT OF COMMERCE
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Date

UTILITY PATENT APPLICATION Attorney Docket No. 1875.0660001

First Inventor Bunn et al.

Title Cable Modem System and Method for Dynamically Mixing Protocol Specific Header Suppression Techniques

TRANSMITTAL
(Only for new nonprovisional applications under 37 CFR § 1.53(b))

	(emyjor new nonprovisional approxim	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	E	xpress	Mail Label No.					
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.				Assistant Commissioner for Patents Box Patent Application Washington, DC 20231						
3.	(preferred arrangement set forth below)  - Descriptive title of the Invention  - Cross Reference to Related Applications  - Background of the Invention  - Brief Summary of the Invention  - Brief Description of the Drawings (if filed)  - Detailed Description  - Claim(s)  - Abstract of the Disclosure  Drawing(s) (35 U.S.C. 113) [To	e processing) rus. Pages: 62]		(A) Nucleo (if c a.   b. Spe	popendix) ptide and/or Amir applicable, all nece  Computer Readal cification Sequence i.	no Acid Seq ssary)  ble Form (CR e Listing on:  M or CD-R (CA ving identity of  NYING AP  rs (cover sheet statement	2 copies); or	ram		
	a. Newly executed (original or o		11.		English Translation	-	t (if applicable)			
	b. Copy from a prior application  (for continuation/divisional with	(37 CFR 1.63(d))	12.		Information Discl Statement (IDS)/I		Copies of IDS Citations			
-	i. DELETION OF IN	• ,	13.		Preliminary Amer	ndment				
4		sched deleting inventor(s) oplication, see 37 CFR §§	14.		Two (2) Return R	-	ards (MPEP 503)			
6.	Application Data Sheet. See 37 C.	FR 1.76.	15.		Certified Copy of		eument(s)			
			16.		Nonpublication Requirem PTO/SB/35 or		J.S.C. 122 (b)(2)(B)(i). Applicant must a	ttach		
			17.	•	Extension	of Time und	a Reply as Incorporating an ler 37 C.F.R. § 1.136(a)(3) (in duplote is: <u>Broadcom Corporation</u>	icate		
For 6	If a CONTINUING APPLICATION, or in an Application Data Sheet under 37 Continuation Divisional Prior application information: Example CONTINUATION OR DIVISIONAL APPS idered a part of the disclosure of the accomple dupon when a portion has been inadvertent.	CFR 1.76:  Continuation-in-Part (Cominer	IP) the pr	of p	rior application No  Group/Art Unit: lication, from whic on and is hereby in	h an oath or o	declaration is supplied under Box 5	b, is only		
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	Customer Number or Bar Code Label Customer No. 26111	19. CORRESPO			or	Correspo.	ndence address below			
NA	ME STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.									
AD	Attorneys at Law  DRESS									
CIT		STATE	T			ZIP CODE				
CO	UNTRY	TELEPHONE				FAX		_		
NA.	ME (Print/Type) Robert Joseph			Pag	ristration No. (Attor	nev/Agent)	36.013			

Approved for use through 10/31/2002. OMB 0651-0032
Pand Trademark Office: U.S. DEPARTMENT OF COMMERCE
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## FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(	\$ 7	8	0	.00

C	omplete if Known					
Application Number	(to be assigned)					
Filing Date	(herewith)					
First Named Inventor	Bunn et al.					
Examiner Name	(to be assigned)					
Group Art Unit	(to be assigned)					
Attorney Docket No.	1875.0660001					

METHOD OF PAYMENT (check one)			FEE CALCULATION (continued)							
	nmissioner is hereby authorized to charge d fees and credit any overpayment to:		TIONAL Entity		Entity					
Deposit Account Number	19-0036	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee D	escription		Fee paid	
Deposit Account Name	Sterne, Kessler, Goldstein & Fox P.L.L.C.	105	130	205	65	Surcharge - late filing f	ee or oath			
<b>l</b> –		127	50	227	25	Surcharge - late provisiona	I filing fee or cover shee	t		
under 37 C	Additional Fee Required FR §§ 1.16 and 1.17	139	130	139	130	Non-English specifi	cation			
Applicant c	Applicant claims small entity status See 37 CFR 1.27		2,520	147	2,520	For filing a request fo	r <i>ex parte</i> reexamin	ation		
366 37 CFR	. 1.27	112	920*	112	920*	Requesting publication of action	of SIR prior to Examine	er		
2, Payment End	losed:	113	1,840*	113	1,840*	Requesting publication of	of SIR after Examiner a	action		
Taymer Endosco.  Tharge any deficiencies or credit any overpayments in the fees or fee educulations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.		115	110	215	55	Extension for reply wi	ithin first month			
.8	FEE CALCULATION	116	400	216	200	Extension for reply w	thin second month			
I. BASIC FILING	FEE	117	920	217	460	Extension for reply w	thin third month			
Earge Entity Sma		118	1,440	218	720	Extension for reply w	thin fourth month			
Fee Fee Fee Code (\$) Cod		128	1,960	228	980	Extension for reply wi	thin fifth month			
101 740 201	370 Utility filing fee 740.00	_ 119	320	219	160	Notice of Appeal				
106 330 206		120	320	220	160	Filing a brief in support of an appeal				
107 510 207	255 Plant filing fee	<b>—</b> 121	280	221	140	Request for oral hear	ing			
108 740 208 114 160 214		— 138	1,510	138	1,510	Petition to institute a	public use proceedi	ng		
114 100 214	60 Flowsional ming lee	— <sub>140</sub>	110	240	55	Petition to revive - un				
SUBTOTAL (1) (\$) 740.00		141	1,280	241	640		Petition to revive - unintentional Utility issue fee (or reissue)			
		142	1,280	242	640		issue)			
		143	460 620	243 244	230 310	Design issue fee Plant issue fee				
		122	130	122	130	Petitions to the Comm	nissioner			
2. EXTRA CLAIM		123	130	123	130	Petitions related to pr		ns		
Extra below Fee Paid			180	126	180	Submission of Information Disclosure Stmt				
Total Claims17 20** =0 X = _0			40	481	40	Recording each patent assignment per property (times number of properties)  40.			40.00	
Multiple Dependent =			740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))				
Large Entity Sma Fee Fee Fee	Fee Fee Description	149	740	249	370	For each additional in (37 CFR 1.129(b))	vention to be exam	ined		
Code (\$) Code 103 18 203	e (\$) 9 Claims in excess of 20	179	740	279	370	Request for Continued Examination (RCE)				
102 84 202 104 280 204	<ul> <li>42 Independent claims in excess of 3</li> <li>Multiple dependent claim</li> </ul>	169	900	169	900	Request for expedited examination of a design application				
108 84 209	42 **Reissue independent claims over origina		(specify) :			••				
110 18 210	patent 9 "Reissue claims in excess of 20 and over original patent									
SUBTOTAL (2) (\$) <u>0</u>			*Reduced by Basic Filing Fee Paid							
** or number previous!		SUBTOTAL (3) (\$) 40.00								
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Name (Print/Type		Re (Aff	gistration omey/Agent	No.	36,013	Telephone	202-	371-2600		
Signature Date to II ((										



In re application of:

Bunn et al.

Appl. No. (to be assigned)

Filed: (herewith)

For: Cable Modem System and Method

for Dynamically Mixing Protocol

**Specific Header Suppression Techniques** 

Confirmation No. (to be assigned)

Art Unit: (to be assigned)

Examiner: (to be assigned)

Atty. Docket: 1875.0660001

## Authorization to Treat a Reply as Incorporating an Extension of Time under 37 C.F.R. § 1.136(a)(3)

Commissioner for Patents Washington, D.C. 20231

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply. A duplicate copy of this authorization is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert Sokohl

Attorney for Applicants

Registration No. 36,013

1100 New York Avenue, N.W., Suite 600

Washington, D.C. 20005-3934

(202) 371-2600